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St. Paul, MN 55113
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US EPA RECORDS CENTER REGION 5



444931

August 22, 1997

Mr. Ken Theisen
USEPA/Region V
77 W. Jackson Blvd. HSE-5J
Chicago, IL 60604

Subject: PROJECT STATUS REPORT
Sylvan Slough Removal Action Site
Rock Island, Illinois
Delta No. A097-130

Summary of Work Performed during July 1997

- Met with BNSF, Navistar, and USEPA in Chicago to discuss future actions and project schedule.
- System operation, maintenance, and monitoring (O&M/monitoring) activities were completed.

Gallons of Oil Recovered through August 12, 1997

Based on field measurements supplied by Geraghty & Miller, Inc. (G&M), approximately 23 gallons of product were present in the product tank on July 29 and August 4, 1997. Field notes indicate that the product was pumped out on August 4, 1997, manifested, and picked up by Safety-Kleen. On August 12, 1997, no measurable thickness of product was present in the tank.

Work Schedule for August 1997

- Finalize the service agreement between Navistar and Delta.
- Transfer system O&M/monitoring activities from G&M to Delta and complete site visits.
- Contact the system by modem to monitor system operation.
- Schedule and complete system installation work.
- Complete monthly project status reports for BNSF, Navistar, and USEPA.

If you have any questions please call me at (612) 697-5186, by facsimile at (612) 639-9473, or by email at paulc@deltaenv.com.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Paul Carter
Project Manager

cc: Mr. Jim Cunningham - BNSF, 80 - 44th Avenue NE, Minneapolis, MN 55421-2559
Mr. Jack Shih - Navistar International Transportation Corp.
455 North Cityfront Plaza Drive, Chicago, IL 60611



Delta
Environmental
Consultants, Inc.

2770 Cleveland Avenue
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September 25, 1997

Mr. Ken Theisen
USEPA/Region V
77 West Jackson Blvd. HSE-5J
Chicago, IL 60604

Subject: PROJECT STATUS REPORT
Sylvan Slough Removal Action Site
Rock Island, Illinois
Delta No. A097-130

Summary of Work Performed during August 1997

- Transferred system O&M/monitoring activities from Geraghty & Miller, Inc. (G&M), to Delta during an on-site meeting on August 12, 1997. Collected system operation data.
- Completed the monthly project status report for BNSF, Navistar, and USEPA.

Gallons of Oil Recovered through September 18, 1997

Gallons of product removed from tank on August 4, 1997:	23.0
Gallons of product recovered from August 4 to September 18, 1997:	<u>6.3</u>
Total gallons on product recovered from mid-July to September 18, 1997:	29.3

Work Schedule for September and October 1997

- Finalized the service agreement between Navistar and Delta on September 9, 1997.
- Complete monthly site visits to collect system operation and ground water monitoring data, adjust skimmer depths as needed, and perform system maintenance. Software has been ordered to contact the system by modem to monitor system operation.
- Complete system installation work. The tentative start date for on-site construction is the first week of October 1997.
- Complete monthly project status reports for BNSF, Navistar, and USEPA.

If you have any questions, please call me at (612) 697-5186, by facsimile at (612) 639-9473 or by e-mail at paulc@deltaenv.com.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in blue ink that reads "Paul Carter". The signature is fluid and cursive, with the first and last names clearly legible.

Paul Carter
Project Manager

cc: Mr. Jim Cunningham - BNSF, 80 - 44th Avenue NE, Minneapolis, MN 55421-2559
Mr. Jack Shih - Navistar International Transportation Corp.
455 North Cityfront Plaza Drive, Chicago, IL 60611



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October 15, 1997

Mr. Ken Theisen
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77 West Jackson Blvd. HSE-5J
Chicago, IL 60604

Subject: PROJECT STATUS REPORT
Sylvan Slough Removal Action Site
Rock Island, Illinois
Delta No. A097-130

Summary of Work Performed during September 1997

- Finalized the service agreement between Navistar and Delta on September 9, 1997.
- Conducted a site visit on September 18, 1997, to collect system operation data.
- Software was purchased to contact the system by modem to monitor system operation.
- The local phone company and power company were contacted to transfer billing to Delta.
- Scheduled system installation work for the first week of October 1997.
- Completed the monthly project status report for BNSF, Navistar, and USEPA.

Gallons of Oil Recovered through October 13, 1997

The operating recovery wells (RW-4, RW-5, RW-6, and RW-7) contained only a thin film of oil (0.01 foot) on October 13, 1997, which has limited the rate of product recovery. Product recovery rates should increase after the additional recovery wells are brought on line.

Gallons of product recovered from mid-July to September 18, 1997:	29
Gallons of product recovered from September 18 to October 13, 1997:	<u>8</u>
Total gallons of product recovered from mid-July to October 13, 1997:	37

Work Schedule for October and November 1997

- System installation work was started on October 6, 1997. As of October 13, 1997, the track crossing had been completed. The system compressor, pumps, pump hoses/fittings, and bollards are being shipped to the site. Installation work will continue and is expected to be completed by October 31, 1997.
- Continue monthly site visits to collect system operation and ground water monitoring data, adjust skimmer depths as needed, and perform system maintenance.

If you have any questions, please call me at (612) 697-5186, by facsimile at (612) 639-9473 or by e-mail at paulc@deltaenv.com.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



Paul Carter
Project Manager

cc: Mr. Jim Cunningham - BNSF, 80 - 44th Avenue NE, Minneapolis, MN 55421-2559
Mr. Jack Shih - Navistar International Transportation Corp.
455 North Cityfront Plaza Drive, Chicago, IL 60611



2770 Cleveland Avenue
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November 13, 1997

Mr. Ken Theisen
USEPA/Region V
77 West Jackson Blvd. HSE-5J
Chicago, IL 60604

Subject: PROJECT STATUS REPORT
Sylvan Slough Removal Action Site
Rock Island, Illinois
Delta No. A097-130

Summary of Work Performed during October 1997

- Completed system installation on October 18, 1997.
- Conducted a site visit on October 21, 1997, to collect system operation data.
- Contacted the system by modem to monitor system operation.
- Contracted Enviromark of Davenport, Iowa to conduct monthly site visits in addition to Delta's monthly site visits.
- Completed the monthly project status report for BNSF, Navistar, and USEPA.

Gallons of Oil Recovered through November 10, 1997

The volume of product recovered since mid-July 1997 is presented in the attached table and graph.

Gallons of product recovered from mid-July to October 13, 1997:	37
Gallons of product recovered from October 13 to November 10, 1997:	<u>111</u>
Total gallons of product recovered from mid-July to November 10, 1997:	148

Problems Encountered and Adjustments

River stage fluctuations and related ground water level changes have resulted in submerged skimmer heads. The skimmers recovered 46 gallons of product and 930 gallons of water from November 3 to 10, 1997, and the system was automatically stopped on November 10, 1997 by the product tank high-level float. The product tank was pumped out on November 11, 1997 and the system was restarted the same day. Based on data collected on November 7, 1997, seven wells contain over 1 foot of product. On November 11, 1997, the skimmers in wells that contained less than 0.5 foot of product were raised above the well fluid level to prevent collection of fluid from these wells. Adjustments will be made on an on-going basis in an attempt to maximize product recovery and minimize water recovery.

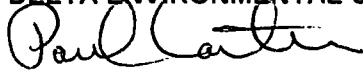
Work Schedule for November and December 1997

- Continue monthly site visits by Delta to collect system operation and ground water monitoring data, adjust skimmer depths as needed, and perform system maintenance. Continue to utilize a local subcontractor to conduct additional site visits as needed to maximize system efficiency.
- Manifest and properly dispose of product and water in the recovery tank as needed.

If you have any questions, please call me at (612) 697-5186, by facsimile at (612) 639-9473 or by e-mail at paulc@deltaenv.com.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



Paul Carter
Project Manager

cc: Mr. Jim Cunningham - BNSF, 80 - 44th Avenue NE, Minneapolis, MN 55421-2559
Mr. Jack Shih - Navistar International Transportation Corp.
455 North Cityfront Plaza Drive, Chicago, IL 60611

Historical Product Recovery (Pilot and Phase I Skimmer System)
Sylvan Slough Removal Action Site, Rock Island, ILI

Tank Dimensions/Volume Calculation (depth meas. from top of hori. cylindrical tank)

Diameter of tank = 4.00 feet
Length of tank = 10.67 feet
Volume of tank = 1003 gallons

Date	Depth to Product (ft)	Depth to Water (ft)	Product Tx (ft)	Total Fluid Volume (gal)	Water Volume (gal)	Free Product Volume (gal)	Cumulative Product (gal)	Notes
08/04/97						23	23.0	Tank pumped out.
09/18/97	3.81	3.86	0.05	17.4	11.0	6.3	29.3	
10/13/97	3.83	4.00	0.17	14.7	0.0	14.7	37.7	
10/21/97	1.95	2.20	0.25	517.3	437.6	79.7	102.7	All pumps turned off.
11/03/97	4.00	4.00	0.00	0.0	0.0	0.0	102.7	Product/water removed - pumps restarted.
11/04/97	3.08	3.17	0.08	173.3	151.3	22.0	124.7	15 of 18 pumps operating.
11/05/97	3.00	3.08	0.08	196.0	173.3	22.7	125.4	
11/07/97	1.75	1.83	0.08	580.9	554.4	26.4	129.1	
11/10/97	0.25	0.50	0.25	976.5	930.3	46.2	148.9	System auto. stopped by tank float.
11/11/97	3.96	3.96	0.00	1.8	1.8	0.0	148.9	Tank pumped out and system restarted.

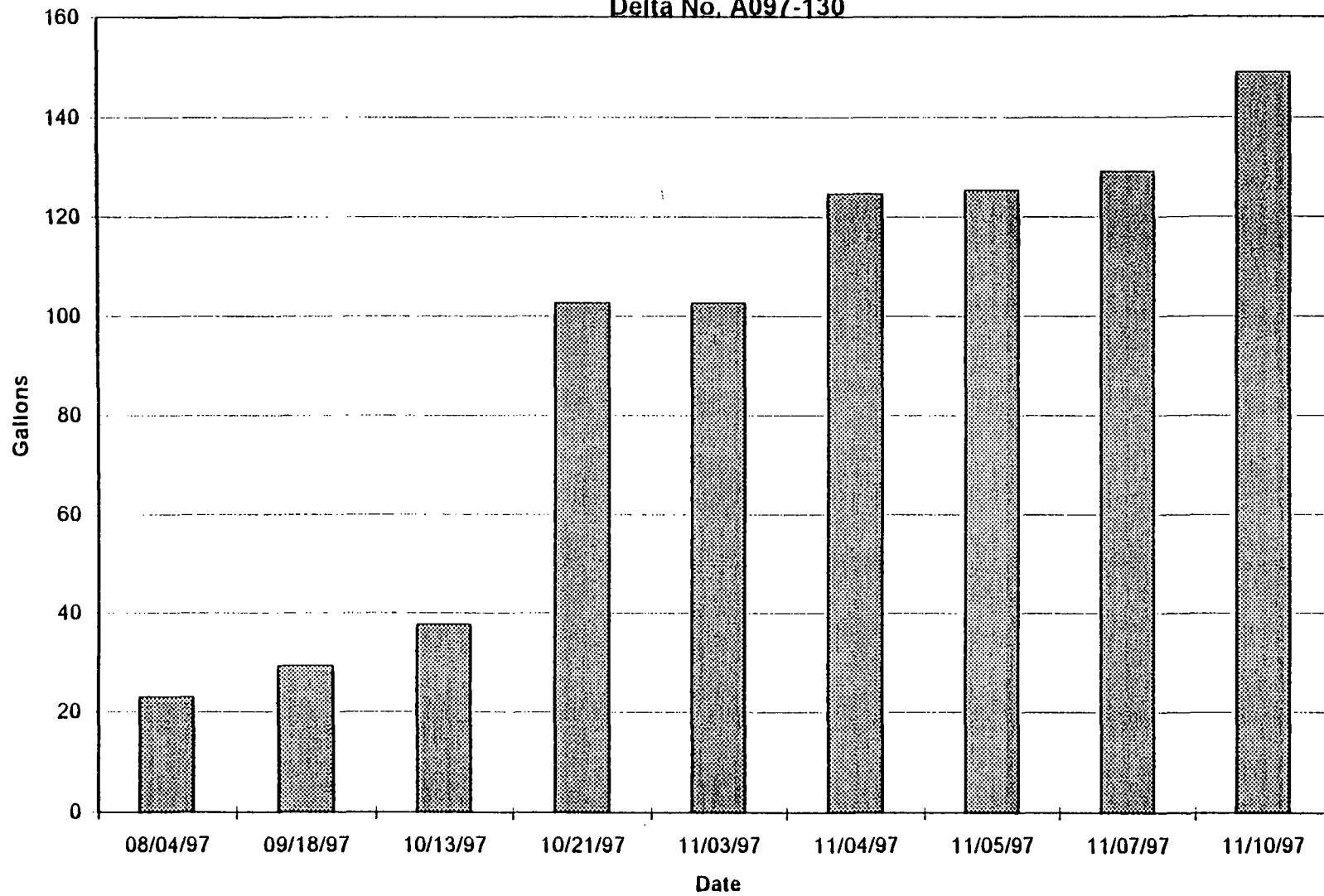
Eleven (11) of the 14 Phase I recovery (skimmer) wells were started on 10/18/97 - 3 wells not started due to obstructions.

The Pilot recovery wells (RW-4/5/6/7) were not restarted on 10/18/97 because of no significant product.

Recovered 65 gallons from 11 pumps in 3 days (10/18 to 10/21/97), or 1.97 gallons/pump/day.

All pumps left off at end of 10/21/97 site visit until pumps could be reset by Enviromark.

Cumulative Product Recovery Since mid-July 1997
Sylvan Slough Removal Action Site, Rock Island, Illinois
Delta No. A097-130





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December 23, 1997

Mr. Ken Theisen
USEPA/Region V
77 West Jackson Blvd. HSE-5J
Chicago, IL 60604

Subject: PROJECT STATUS REPORT
Sylvan Slough Removal Action Site
Rock Island, Illinois
Delta No. A097-130

Summary of Work Performed during November 1997

- Conducted a site visit on November 17, 1997 to collect system operation data and provide technical assistance to USEPA's open house.
- Contacted the system by modem to monitor system operation.
- Coordinated additional site visits by Enviromark to collect system operation data and dispose of recovered product and water.
- Completed the monthly project status report for BNSF, Navistar, and the USEPA.

Gallons of Oil Recovered through December 12, 1997

The volume of product recovered since mid-July 1997 is presented in the attached table and graph.

Gallons of product recovered from mid-July to November 10, 1997:	148
Gallons of product recovered from November 10 to December 12, 1997:	<u>194</u>
Total gallons of product recovered from mid-July to December 12, 1997:	342

Problems Encountered and Adjustments

Adjustments are being made on an on-going basis in an attempt to maximize product recovery and minimize water recovery. The product tank was pumped out on November 3, 11, and 26, and December 4, 1997.

Work Schedule for December 1997

- Continue monthly site visits by Delta to collect system operation and ground water monitoring data, adjust skimmer depths as needed, and perform system maintenance. Continue to utilize a local subcontractor to conduct additional site visits as needed to maximize system efficiency.
- Manifest and properly dispose of product and water in the recovery tank as needed.

If you have any questions, please call me at (612) 697-5186, by facsimile at (612) 639-9473 or by e-mail at paulc@deltaenv.com.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



Paul Carter
Project Manager

cc: Mr. Jim Cunningham - BNSF, 80 - 44th Avenue NE, Minneapolis, MN 55421-2559
Mr. Jack Shih - Navistar International Transportation Corp.
455 North Cityfront Plaza Drive, Chicago, IL 60611

**Historical Product Recovery (Pilot and Phase I Skimmer System)
Sylvan Slough Removal Action Site, Rock Island, ILI**

Tank Dimensions/Volume Calculation (depth meas. from top of hori. cylindrical tank)

Diameter of tank = 4.00 feet
Length of tank = 10.67 feet
Volume of tank = 1003 gallons

Date	Depth to Product (ft)	Depth to Water (ft)	Product Tx (ft)	Total Fluid Volume (gal)	Water Volume (gal)	Free Product Volume (gal)	Cumulative Product (gal)	%Product	Notes
08/04/97						23	23.0		Tank pumped out.
09/18/97	3.81	3.86	0.05	17.4	11.0	6.3	29.3	37	
10/13/97	3.83	4.00	0.17	14.7	0.0	14.7	37.7	100	
10/21/97	1.95	2.20	0.25	517.3	437.6	79.7	102.7	15	All pumps turned off.
11/03/97	4.00	4.00	0.00	0.0	0.0	0.0	102.7		Product/water removed - pumps restarted.
11/04/97	3.08	3.17	0.08	173.3	151.3	22.0	124.7	13	15 of 18 pumps operating.
11/05/97	3.00	3.08	0.08	196.0	173.3	22.7	125.4	12	
11/07/97	1.75	1.83	0.08	580.9	554.4	26.4	129.1	5	
11/10/97	0.25	0.50	0.25	976.5	930.3	46.2	148.9	5	System auto. stopped by tank float.
11/11/97	4.00	4.00	0.00	0.0	0.0	0.0	148.9		Tank pumped out and system restarted.
11/17/97	2.29	2.38	0.08	408.6	382.3	26.2	175.1	6	
11/20/97	2.08	2.17	0.08	474.7	448.2	26.5	175.5	6	
11/21/97	1.98	2.08	0.10	508.0	474.7	33.2	182.2	7	
11/24/97	1.50	1.58	0.08	659.2	633.3	25.9	174.8	4	Apparent tank product volume decrease assumed to be due to measurement error.
11/25/97	1.65	1.73	0.08	613.8	587.5	26.3	175.2	4	
11/26/97	1.33	1.50	0.17	710.1	659.2	50.9	199.8	7	
11/26/97	4.00	4.00	0.00	0.0	0.0	0.0	199.8		Tank pumped out and system restarted.
12/03/97	0.67	1.00	0.33	892.8	806.6	86.2	286.0	10	
12/04/97	0.00	0.67	0.67	1002.6	892.8	109.8	309.6	11	
12/04/97	3.92	3.92	0.00	5.1	5.1	0.0	309.6		Tank pumped out and system restarted.
12/08/97	3.42	3.45	0.03	89.8	82.2	7.5	317.2	8	
12/12/97	2.40	2.50	0.10	375.8	343.4	32.4	342.0	9	

Eleven (11) of the 14 Phase I recovery (skimmer) wells were started on 10/18/97 - 3 wells not started due to obstructions.

The Pilot recovery wells (RW-4/5/6/7) were not restarted on 10/18/97 because of no significant product.

Recovered 65 gallons from 11 pumps in 3 days (10/18 to 10/21/97), or 1.97 gallons/pump/day.

All pumps left off at end of 10/21/97 site visit until pumps could be reset by Enviromark.

Pumps pulled from wells without product on 11/11/97.

All skimmer cycles reduced 11/18/97 to reduce pumping volume.

All skimmers checked and adjusted 11/25/97.

All skimmers checked and adjusted 12/08/97.

Cumulative Product Recovery Since mid-July 1997
Sylvan Slough Removal Action Site, Rock Island, Illinois
Delta No. A097-130

